

Notice of Allowability

Application No

09/836,645

Examiner

Roberts Culbert

Applicant(s)

GLOVATSKY ET AL.

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--
All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the amendment filed 12/1/03.
 2. ☒ The allowed claim(s) is/are 1-6 and 8-17.
 3. ☒ The drawings filed on 17 April 2001 are accepted by the Examiner.
 4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
- * Certified copies not received: _____.
5. ☒ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.
 - (a) ☐ The translation of the foreign language provisional application has been received.
 6. ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. **THIS THREE-MONTH PERIOD IS NOT EXTENDABLE**

7. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
8. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No. _____.
 - (b) ☐ including changes required by the proposed drawing correction filed _____, which has been approved by the Examiner.
 - (c) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No. _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the margin according to 37 CFR 1.121(d).

9. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|---|
| 1 <input type="checkbox"/> Notice of References Cited (PTO-892) | 5 <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2 <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6 <input type="checkbox"/> Interview Summary (PTO-413), Paper No. _____ |
| 3 <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No. _____ | 7 <input type="checkbox"/> Examiner's Amendment/Comment |
| 4 <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit of Biological Material | 8 <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9 <input type="checkbox"/> Other |

GREGORY MILLS
SUPERINTENDING PATENT EXAMINER
TECHNOLOGY CENTER 1700

Allowable Subject Matter

Claims 1-6 and 8-17 are allowed.

The following is a statement of reasons for the indication of allowable subject matter:

Regarding claim 1, the prior art of record fails to point out or render obvious a method for making an electric circuit board comprising the steps of: providing a member having a central layer of a first material which is operatively contained between first and second layers of a second material, placing a layer of a third material upon certain portions of said first layer, thereby exposing at least one portion of said first layer; and placing a plurality of layers of said second material on top of said third layer of third material, effective to form a multi-layer circuit board having an aperture which extends through said formed circuit board and which terminates upon said exposed at least one portion of said first layer, forming at least one slotted aperture through said central layer and through said first and second layers of a second material, forming a sighting window within each of said plurality of layers of said second material and forming at least one sighting window within said layer of said third material, said at least one sighting window of said third material being visually aligned with said at least one slotted aperture, thereby allowing said third material to be operatively placed upon predetermined portions of said first layer in a desired position.

Regarding claim 11, the prior art of record fails to point out or render obvious a method for making circuit board comprising the steps of: providing a member having a central layer of a first material which is operatively positioned between top and bottom layers of a second material; removing a portion of said first and said second layers, thereby exposing portions of said central layer of said first material; providing a first layer of dielectric material and placing said provided first layer of said dielectric material onto certain portions of said top layer, thereby overlaying said exposed portions of said central layer and creating first and second exposed portions of said top layer; providing third layer of said second material and placing said third layer onto said first layer of said dielectric material and over said first and second exposed portions of said top layer; removing those portions of said third layer which overlay said first and said second exposed portions said top layer; providing a second layer of said dielectric

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material and placing said second layer of said dielectric material onto said third layer after those portions of said third layer which overlay said first and second exposed portions of said top layer have been removed; providing a fourth layer of said second material and placing said fourth layer upon said second layer of said dielectric material and over said first and second exposed portions of said top layer; and removing those portions of said fourth layer which overlay said first and said second exposed portions of said top layer, thereby creating an electrical circuit board having a first aperture which extends through said third and fourth layers of said second material and through said first and second layers of said dielectric material while terminating within said first layer of said second material, and a second aperture which extends through said third and fourth layers of said second material and through said first and second layers of said dielectric material while terminating within said first layer of said second material.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Roberts Culbert whose telephone number is (571) 272-1433. The examiner can normally be reached on Monday-Friday (7:30-4:00).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gregory Mills can be reached on (571) 272-1439. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0661.

R. Culbert




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